OPTITROL® OPTICAL LEVEL SWITCHES
Low Cost, Compact, LED Indication, No Moving Parts

The Series OLS Optitrol® Optical Level Switches are low cost, rugged optical level switches that indicate the presence or absence of liquid via infrared light that is reflected back through the prism lens. This series offers three optional materials, 316 SS, polysulfone and PFA.

FEATURES/BENEFITS
• Provides rapid response while employing no moving parts for stable process control
• Bright red and green LED’s indicate the presence or absence of liquid for true, local indication

APPLICATIONS
• Food and beverage systems
• Liquid holding tanks
• Air conditioning systems
• Sumps

SPECIFICATIONS
Service: Noncoating compatible liquids.
Wetted Materials: See model chart.
Temperature Limit: Process: OLS-10, 11: 200°F (93.3°C), OLS-12: 120°F (48.9°C); Ambient: OLS-10, 11: 175°F (79.4°C), OLS-12: 120°F (48.9°C).
Pressure Limit: OLS-11, 12: 200 psig (13.8 bar); OLS-10: 1000 psig (69 bar).
Repeatability: ±0.02” (0.5 mm).
Switch Type: NPN open collector.
Power Requirements: 10 to 28 VDC.

SERIES B-190 | MERCOID® BY DWYER
LIQUID LEVEL SWITCH-CONTROL
Top Mounted Displacer Type, Adjustable Setpoints, Magnetic Operation, Optional Hermetically Sealed Snap Switch

The Series B-190 Liquid Level Switch-Control is a top mount displacer type level control. They work on the principle that submerged solids weigh less in liquids, and as the liquid level rises they are suspended. This Series is offered in a range of cable lengths, specific gravities, circuit types and enclosure ratings.

FEATURES/BENEFITS
• Extremely versatile design
• Displacers are suspended on a coil spring and do not float on the surface of liquids and are unaffected by turbulence or pressure
• Excellent for applications with viscous or dirty liquids

APPLICATIONS
• Pumping stations
• Foaming liquids
• Sanitary/sewage treatment
• Paints and varnishes
• Sanitary/sewage treatment
• Foaming liquids
• Pumping stations

MODEL CHART
Model | Switch Type
B190-WT-4810-S-A-1.0-6 | SPDT mercury
B190-WT-7810-S-A-1.0-6 | SPDT snap
B190-WT-7810HM-S-A-1.0-6 | SPDT hermetically sealed snap

DIMENSIONS FOR 1.0 S.G. @ 100°F (38°C)

<table>
<thead>
<tr>
<th>A</th>
<th>C</th>
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<th>B</th>
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<tr>
<td>116-1/2˝ (2.98 m)</td>
<td>6-1/2˝ (165 mm)</td>
<td>114˝ (2.9 m)</td>
<td>6-3/4˝ (172 mm)</td>
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